

**TITLE:**

Projects in mathematics education in secondary vocational schools

**ABSTRACT:**

The diploma work is divided into three parts. The first part describes the history and development of the project method and its characteristic features. Further, there is mentioned the content of the Framework Educational Programme for secondary vocational education with regard to tourism and economics.

The main part of the work contains description of preparation, process and results of a mathematical project. This project was designed for a concrete school and class to introduce inequalities.

On the basis of the results of the realized project, the third part of the work shows possible use of projects in mathematics in the particular types of secondary schools.

Finally, there is a concept of two projects that could be used in mathematics lessons in these schools.

**KEY WORDS:**

Project, mathematics, secondary vocational school